

7-11-62  
LAC - 129  
ECP

|                                                                             |                                                      |                                                                     |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
|-----------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------|---------------------------------------------|----------------------------------------------|--------------------------------------------------------------|
| LOCKHEED AIRCRAFT CORPORATION                                               |                                                      | ENGINEERING STUDY <input type="checkbox"/>                          |                                                    | LAC - 129                                                |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| CHANGE PROPOSAL <input checked="" type="checkbox"/>                         |                                                      |                                                                     |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| DATE<br>28 MAY 1962                                                         |                                                      | AFFECTS :<br>WSPO <input checked="" type="checkbox"/>               |                                                    | PROJECT <input checked="" type="checkbox"/>              |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| NAME OF MAJOR COMPONENT<br>INSTRUMENT PANEL                                 |                                                      | PART OR LOWEST SUBASSEMBLY<br>CIRCUIT BREAKERS                      |                                                    | PART NO. & MODEL OR TYPE                                 |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| TITLE OF PROPOSAL :<br>UPDATE COCKPIT CIRCUIT BREAKERS                      |                                                      |                                                                     |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| NATURE OF PROPOSAL :<br>SEE PAGE 2                                          |                                                      |                                                                     |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| REASON FOR PROPOSAL :<br>SEE PAGE 2                                         |                                                      |                                                                     |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| ES                                                                          |                                                      | ESTIMATED COST AND TIME INVOLVED :<br>ADDITIONAL FUNDING REQUIRED : |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| CP                                                                          |                                                      | ESTIMATED COST FOR KITS OR PARTS :<br>ADDITIONAL FUNDING REQUIRED : |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
|                                                                             |                                                      | SEE PAGE 2<br>SP-1922 (NONE)                                        |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| ITEMS AFFECTED BY PROPOSAL :                                                |                                                      |                                                                     |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| SAFETY<br><input type="checkbox"/>                                          | MISSION<br>EFFECTIVENESS<br><input type="checkbox"/> | PERFORM-<br>ANCE<br><input type="checkbox"/>                        | OPERATING<br>PROCEDURE<br><input type="checkbox"/> | INTER-<br>CHANGE-<br>ABILITY<br><input type="checkbox"/> | WEIGHT OR<br>WEIGHT &<br>BALANCE<br><input type="checkbox"/> | TOOLS &<br>SUPPORT<br>EQUIPMENT<br><input type="checkbox"/> | MAINTENANCE<br>PROCEDURE<br><input type="checkbox"/> | SERVICE<br>LIFE<br><input type="checkbox"/> | FLIGHT<br>MANUAL<br><input type="checkbox"/> | MAINTENANCE<br>MANUAL<br><input checked="" type="checkbox"/> |
| EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD                          |                                                      |                                                                     |                                                    |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| SOURCE OF PARTS FOR KIT<br>LAC                                              |                                                      |                                                                     | AVAILABILITY 4 WEEKS AFTER APPROVAL                |                                                          |                                                              |                                                             |                                                      |                                             |                                              |                                                              |
| DISPOSITION OF SPARES AFFECTED<br>M-500 TYPE CIRCUIT BREAKER NO LONGER USED |                                                      |                                                                     |                                                    |                                                          |                                                              | STAT                                                        |                                                      |                                             |                                              |                                                              |
| INITIATED BY :                                                              |                                                      | APPROVED :<br>WSPD                                                  |                                                    | PROJECT                                                  |                                                              | 180066-2                                                    |                                                      |                                             |                                              |                                                              |

NATURE OF PROPOSAL

1. Change the cockpit circuit breakers from the present M-500 to the MS-25244 type.
2. Prepare and issue a Service Bulletin and purchase the necessary number of circuit breakers (approx. 25/kit).

REASON FOR PROPOSAL

The MS-25244 breakers "Pop-Out" when tripped whereas the M-500 breakers "Pull-In" when tripped. The Contractor has been informed by the manufacturer that this project is the only one that uses circuit breakers that pull in when tripped. The tooling for this breaker is no longer able to produce parts satisfactorily. Therefore, new tooling, in the amount of  will have to be paid and also the manufacturer states that the unit cost will increase. The MS-25244 circuit breaker is presently being installed in the new junction box in the Q-Bay at Phase II IRAN. Acceptance of this proposal would mean standardization of circuit breakers. The MS-25244 breakers are readily available and the unit cost is less than the present price of the M-500 type breaker (approx. \$2.95). To avoid cockpit confusion, each ship should have all breakers replaced at the same time.

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ESTIMATED COST FOR KITS OR PARTS

|             |           |                                                     |
|-------------|-----------|-----------------------------------------------------|
| Customer #1 | 6 Kits @  | <input data-bbox="716 1640 1174 1755" type="text"/> |
| Customer #2 | 30 Kits @ |                                                     |

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